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NOTE: SAS (r) Proprietary Software Release 8.2 (TS2M0)  
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NOTE: This session is executing on the WIN\_PRO platform.

NOTE: This installation is running Base SAS hot fix bundle 82BX08.

NOTE: AUTOEXEC processing beginning; file is C:\PROGRA~1\SASINS~1\SAS\V8\autoexec.sas.

```
1 ** C:\PROGRAM FILES\SAS INSTITUTE\SAS\V8\AUTOEXEC.SAS ;
2
3 OPTIONS LS= 132 PS= 70 MERGENOBY=ERROR MSGLEVEL=i;
```

NOTE: AUTOEXEC processing completed.

```
1 /*****\
2
3 PROGRAM: C:\MEPS\PROG\EXAMPLE_E5.SAS
4
5 DESCRIPTION: THIS EXAMPLE SHOWS HOW TO COMPUTE EVENT-LEVEL
6 ESTIMATES.
7 IN THIS PROGRAM
8
9 (1) THE 2001 MEPS INPATIENT HOSPITAL STAYS FILE IS
10 USED TO COMPUTE MEAN FACILITY EXPENSE PER
11 STAY.
12 (2) THE 2001 MEPS OFFICE-BASED MEDICAL PROVIDER
13 VISITS FILE IS USED TO COMPUTE MEAN
14 EXPENSE PER OFFICE VISIT TO A MEDICAL
15 PROVIDER.
16 INPUT FILE: (1) C:\MEPS\DATA\H59D.SAS7BDAT
17 -- 2001 HOSPITAL STAYS FILE
18 (2) C:\MEPS\DATA\H59G.SAS7BDAT
19 -- 2001 OFFICE-BASED VISITS FILE
20
21 \*****/
```

22 LIBNAME CMEPS V8 'C:\MEPS\DATA' ;  
NOTE: Libref CMEPS was successfully assigned as follows:  
Engine: V8  
Physical Name: C:\MEPS\DATA

```
24 FOOTNOTE 'PROGRAM: C:\MEPS\PROG\EXAMPLE_E5.SAS';
25
26 TITLE1 'AHRQ MEPS DATA USERS WORKSHOP (ESTIMATION) -- NOV/DEC 2004';
27 TITLE2 'COMPUTING EVENT-LEVEL ESTIMATES';
28 TITLE3 ' ';
29
30
31 /***** THESE DATA STEPS READS IN THE REQUIRED VARIABLES FROM THE *****/
32 /***** FULL-YEAR FILES. *****/
33
34 /***** INPATIENT HOSPITAL STAYS FILE. *****/
35 /***** *IPFXP01X* IS THE TOTAL EXPENSE VARIABLE. *****/
```

```
36
37     TITLE4 'MEAN FACILITY EXPENSE PER INPATIENT STAY' ;
38
39     DATA IP2001;
40         SET CMEPS.H59D (KEEP= DUPERSID IPFXP01X PERWT01F VARSTR01
41                         VARPSU01);
42         LABEL IPFXP01X = 'TOTAL HOSP. STAY EXPENSES';
43     RUN;
```

NOTE: There were 3428 observations read from the data set CMEPS.H59D.

NOTE: The data set WORK.IP2001 has 3428 observations and 5 variables.

```
44
45 PROC SURVEYMEANS DATA= IP2001 NOBS SUMWGT MEAN STDERR CLM;
46 VAR IPFXP01X;
47 STRATA VARSTR01;
48 CLUSTER VARPSU01;
49 WEIGHT PERWT01F;
50 RUN;
```

NOTE: Due to nonpositive weights, 100 observation(s) were deleted.

NOTE: Only one cluster in a stratum for variable(s) IPFXP01X. The variance of IPFXP01X in that stratum is estimated by zero.

NOTE: There were 3428 observations read from the data set WORK.IP2001.

NOTE: The PROCEDURE SURVEYMEANS printed page 1.

```
51
52 /***** OFFICE BASED MEDICAL PROVIDER VISITS FILE.          *****/
53 /***** *OBXP01X* IS THE TOTAL EXPENSE VARIABLE.          *****/
54
55 TITLE4 'MEAN EXPENSE PER OFFICE VISIT TO A MEDICAL PROVIDER' ;
56
57 DATA OB2001;
58 SET CMEPS.H59G (KEEP= DUPERSID OBXP01X PERWT01F VARSTR01
59                VARPSU01);
60 LABEL OBXP01X = 'TOTAL OFFICE VISIT EXPENSES';
61 RUN;
```

NOTE: There were 147490 observations read from the data set CMEPS.H59G.

NOTE: The data set WORK.OB2001 has 147490 observations and 5 variables.

```
62
63 PROC SURVEYMEANS DATA= OB2001 NOBS SUMWGT MEAN STDERR CLM;
64 VAR OBXP01X;
65 STRATA VARSTR01;
66 CLUSTER VARPSU01;
67 WEIGHT PERWT01F;
68 RUN;
```

NOTE: Due to nonpositive weights, 2980 observation(s) were deleted.

NOTE: There were 147490 observations read from the data set WORK.OB2001.

NOTE: The PROCEDURE SURVEYMEANS printed page 2.

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NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

MEAN FACILITY EXPENSE PER INPATIENT STAY

The SURVEYMEANS Procedure

Data Summary

Number of Strata	145
Number of Clusters	514
Number of Observations	3428
Number of Observations Used	3328
Number of Obs with Nonpositive Weights	100
Sum of Weights	30172114.6

Statistics

Variable	Label	N	Sum of Weights	Mean	Std Error of Mean	Lower 95% CL for Mean	Upper 95% CL for Mean
IPFXP01X	TOTAL HOSP. STAY EXPENSES	3328	30172115	6628.807015	263.362555	6110.917996	7146.696034

MEAN EXPENSE PER OFFICE VISIT TO A MEDICAL PROVIDER

The SURVEYMEANS Procedure

Data Summary

Number of Strata	145
Number of Clusters	557
Number of Observations	147490
Number of Observations Used	144510
Number of Obs with Nonpositive Weights	2980
Sum of Weights	1372644966

Statistics

Variable	Label	N	Sum of Weights	Mean	Std Error of Mean	Lower 95% CL for Mean	Upper 95% CL for Mean
OBXP01X	TOTAL OFFICE VISIT EXPENSES	144510	1372644966	114.168495	1.677911	110.870160	117.466830